

## ABSTRACT OF THE DISCLOSURE

A real-time video radiation exposure monitoring system comprising a Geiger-Müller meter and a video camera linked to a computer programmed to display video images from the camera simultaneously with data from the Geiger-Müller meter. A radio modem provides wireless data communications between the Geiger-Müller and the computer. One aspect of the invention is a retrofit of a conventional Geiger-Müller meter to include a microcontroller with internal A/D converter enabling the meter to output instantaneous measurements in RS-232 serial format.